ratus to manufacture the first item based on the first 3D manufacturing instructions; and

generating delivery instructions for delivering the manufactured first item to the user.

21. The computer-implemented method of claim **20**, further comprising:

receiving a request from the user for scaling of the ordered item to a larger or a smaller size; and

reconfiguring the 3D manufacturing instructions for the ordered item based on the requested scaling;

wherein providing information for manufacturing the ordered item includes providing information for manufacturing the ordered item at a larger or smaller size based on the reconfigured 3D manufacturing instructions.

22. The computer-implemented method of claim **20**, further comprising:

receiving a request from the user for scaling of the first item to a larger or a smaller size; and

reconfiguring the first 3D manufacturing instructions for the first item based on the requested scaling;

wherein providing instructions to a manufacturing to manufacture the first item includes providing instruc-

tions to the manufacturing apparatus to manufacture the first item based on the reconfigured first 3D manufacturing instructions.

23. The computer-implemented method of claim **20**, wherein the submission by the user of first 3D manufacturing instructions for the first item includes a scan of the first item.

24. The computer-implemented method of claim **20**, wherein the order by the user for one of the items of the plurality comprises a request by a user for one of the items of the plurality, wherein the providing information for manufacturing the ordered item comprises receiving payment for the item and providing to the user access to the 3D manufacturing instructions associated with the requested item such that the user can use the 3D manufacturing instructions in a manufacturing apparatus to manufacture the requested item, the method further comprising:

responsive to a selection of one of the items of the plurality, providing instructions to a manufacturing apparatus to manufacture the selected item based on the 3D manufacturing instructions; and

generating delivery instructions for delivering the manufactured selected item to the user.

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